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Cont'd*

Patent Number 6,348,021 issued February 19, 2002, which in time claims priority under 35 USC 119(e) from United States Provisional Application Number 60/170,785, filed December 15, 1999.--

In the Claims:

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Please cancel claim 2 without prejudice.

Please amend the following claim:

1. (Amended) A continuously variable speed power transmission comprising:

an input member rotatable about an input axis;

an output member rotatable about an output axis including a plurality of rearwardly directed output rotor external face gear teeth thereon;

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a conjugate reaction control rotor mounted for selective rotation about the input axis including a plurality of forwardly directed reaction external face gear teeth thereon in opposition to the output external face gear teeth on the output member;

a conjugate motion converter with internal face gear teeth having pitch angles greater than 90 degrees embodied on both sides thereon and rotatably mounted for nutational and rotational motion about the input axis that are simultaneously engageable with the output rotor external face gear teeth and with the reaction rotor external face gear teeth; and

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Control

control means for selectively adjusting the rate of rotation of the reaction control rotor relative to the input member;

whereby relative rotation between the reaction control rotor and the input member results in both rotation and nutation of the conjugate motion converter about the input axis and thereby results in a continuously variable change of ratio of the rotational speed of the output member relative to the input member.

Please add the following new claims:

4. (New) The continuously variable speed power transmission of claim 1, wherein said reaction control rotor is integrated with motors/generator components mounted for selective rotation about the input axis.

5. (New) The continuously variable speed power transmission of claim 1, wherein said transmission is in a vehicle wheel hub.

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6. (New) The continuously variable speed power transmission of claim 4, wherein said transmission is in a vehicle wheel hub.

7. (New) A continuously variable speed power transmission comprising:

an input member rotatable about an input axis;

an output member rotatable about an output axis including a plurality of rearwardly directed output rotor external bevel gear teeth thereon;

a conjugate reaction control rotor mounted for selective rotation about the input axis including a plurality of forwardly directed reaction external bevel gear teeth thereon in opposition to the output external bevel gear teeth on the output member;

a conjugate motion converter with internal bevel gear teeth having pitch angles greater than 90 degrees embodied on both sides thereon and rotatably mounted for nutational and rotational motion about the input axis that are simultaneously engageable with the output rotor external bevel gear teeth and with the reaction rotor external bevel gear teeth; and

control means for selectively adjusting the rate of rotation of the reaction control rotor relative to the input member;

whereby relative rotation between the reaction control rotor and the input member results in both rotation and nutation of the conjugate motion converter about the input axis and thereby results in a continuously variable change of ratio of the rotational speed of the output member relative to the input member.

8. (New) The continuously variable speed power transmission of claim 7, wherein said reaction control rotor is integrated with motors/generator components mounted for selective rotation about the input axis.

9. (New) The continuously variable speed power transmission of claim 7, wherein said transmission is in a vehicle wheel hub.